

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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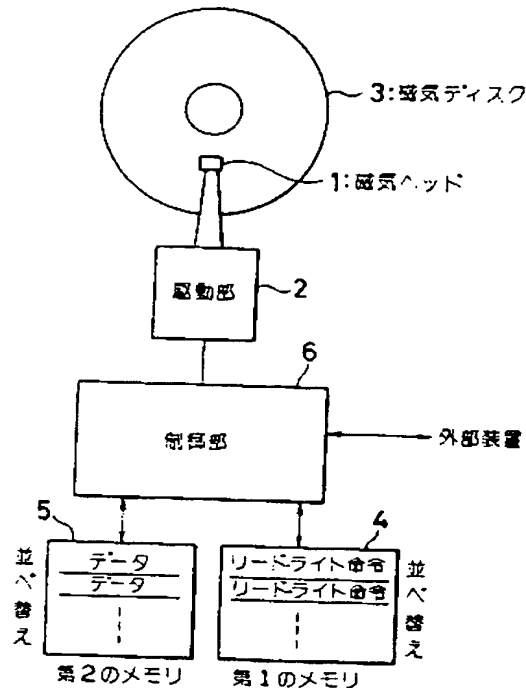
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APPLICANT : FUJITSU LTD;

INVENTOR : TAKAISHI KAZUHIKO;

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TITLE : MAGNETIC DISK DEVICE



**ABSTRACT :** **PURPOSE:** To optimize the move of a magnetic head when an instruction is executed by simultaneously executing the plural read / write instructions.

**CONSTITUTION:** When the prescribed number of read / write instructions are held in a memory 4 or after the lapse of prescribed time, a control part 6 rearranges the read / write instructions in order according to cylinder sector numbers and the instructions are executed according to the order. Therefore, a magnetic head 1 is moved according to the order for the cylinder number of a magnetic disk 3 and is not moved back and forth repeatedly within an overlapped range. The read instruction is executed and the read data are held in a memory 5. Then, the control part 6 outputs the data corresponding to the read instructions while rearranging the data in the order of the original read instructions. Accordingly, the data can be received according to the order of the read instructions.

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